

Understanding By Design – Into the Redwood Forest Education Program

Wednesday, November 13, 2013	Desired Results	
Goals of Program	Transfer	
<p>Students will ...</p> <ul style="list-style-type: none"> Enrich their understanding of place through nature. Experience National Parks as places for learning and recreation and develop a personal connection with their local national park. Learn about the historical, cultural, and environmental forces that shape and influence Muir Woods. 	<p>Students will be able to independently use their learning to...</p> <ol style="list-style-type: none"> Recognize that there is a relationship between culture and the land. Engage in scientific inquiry and plant identification. 	
Content Area Standards	Meaning	
	Enduring Understandings	Essential Questions
Next Generation Science Standards:	Students will understand that:	
<p>3-LS4-3: In a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.</p> <p>3-LS4-4: Determine whether environmental changes can affect the types of animals and plants in a place.</p> <p>4-LS1-1: Plants have internal and external structures that function to support survival.</p>	<ul style="list-style-type: none"> Living things adapt in order to survive in a changing world. Culture and land are related. Individuals and communities can help protect and preserve natural environments. 	How do living things thrive in their habitat?
	Acquisition	
California's Common Core State Standards:	Students will know :	Students will be able to ...
<p>Writing</p> <p>3.3 & 3.4: Write narratives to develop real or imagined experiences or events.</p> <p>Speaking and Listening</p> <p>1.3 & 1.4 : Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led.</p>	<ul style="list-style-type: none"> The ways in which living things thrive in Muir Woods. How Native American values shape their relationship with Muir Woods. Animals and plants adapt to a changing environment. The life cycle of a coast redwood tree. The indications of a healthy habitat. 	<ul style="list-style-type: none"> Describe the life cycle of a Coast Redwood Tree. Identify the Native American uses of plants found in Muir Woods. Recognize signs of a healthy environment in Muir Woods. Explain how plants and animals adapt for survival in Muir Woods.

	Evidence	
CA History-Social Science Content Standards:	Students will show their learning by ...	
3.22: Discuss the ways in which physical geography, including climate, influenced how the local Indian nations adapted to their natural environment.	<p>Performance Tasks:</p> <p>Completion of page 2 in student journal.</p> <p>Or</p> <p>Create your own story of how living things have adapted to the changing environment of Muir Woods. Use your booklet and your visit to the forest for ideas.</p> <p>Or</p> <p>Look at the life cycle of a redwood tree. Write and illustrate a poem that shows the life cycle of a redwood tree. Be certain to use descriptive words and vocabulary words.</p>	